



**IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL4-40L-50-8-N2-U-Y-GM.IES**

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 1277526
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 8/29/2016
 [MANUFAC] Eye Lighting International of North America
 [LUMCAT] FL4-40L-50-8-N2-U-Y-GM
 [LUMINAIRE] Formed aluminum housing / heatsink, clear plastic lens, sp
 [MORE] ecular inner reflector
 [LAMP] 10 white LEDs
 [BALLAST] Meanwell HLG-185H-C1050A
 [OTHER] 25.59 C, 119.93 V, 3.294 A, 392.5 W, 0.993 PF, 60 Hz
 [OTHER] This test was performed using the calibrated photodetector met
 [MORE] hod of absolute photometry.

Note: Candela values converted from Type-C to Type-B

CHARACTERISTICS

NEMA Type	2 H x 2 V
Maximum Candela	866545.813
Maximum Candela Angle	0H 0V
Horizontal Beam Angle (50%)	8.6
Vertical Beam Angle (50%)	8.6
Horizontal Field Angle (10%)	19.2
Vertical Field Angle (10%)	19.3
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	9828
Beam Efficiency	N.A.
Field Lumens	23699
Field Efficiency	N.A.
Spill Lumens	13593
Luminaire Lumens	37292
Total Efficiency	N.A.
Total Luminaire Watts	392.5
Ballast Factor	1.00



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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	9.241	90	12.219
85	22.9	85	23.3
75	35.9	75	37.7
65	52.2	65	54.7
55	90.3	55	90.3
47.5	118.35	47.5	117.05
42.5	176.6	42.5	168.85
37.5	257.85	37.5	258.95
33	507.5	33	518.3
29	741	29	746.5
25.5	2281.5	25.5	2591.7
22.5	11530.2	22.5	11894.6
19.5	18618.651	19.5	18686.55
17	23388.5	17	23510.6
15	29840.699	15	29953.5
13	41061.301	13	41348.301
11	61140.801	11	61763.699
9	97534.703	9	98481.5
7	174900	7	174600
5	331400	5	331550
3	626100	3	622350
1	852450	1	852700
0	866545.813	0	866545.813
-1	852450	-1	852700
-3	626100	-3	622350
-5	331400	-5	331550
-7	174900	-7	174600
-9	97534.703	-9	98481.5
-11	61140.801	-11	61763.699
-13	41061.301	-13	41348.301
-15	29840.699	-15	29953.5
-17	23388.5	-17	23510.6
-19.5	18618.651	-19.5	18686.55
-22.5	11530.2	-22.5	11894.6
-25.5	2281.5	-25.5	2591.7
-29	741	-29	746.5
-33	507.5	-33	518.3
-37.5	257.85	-37.5	258.95
-42.5	176.6	-42.5	168.85
-47.5	118.35	-47.5	117.05
-55	90.3	-55	90.3
-65	52.2	-65	54.7
-75	35.9	-75	37.7
-85	22.9	-85	23.3
-90	9.241	-90	12.219

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CANDELA TABULATION

Maximum Candela = 866545.813
 Beam Edge = 433272.9065 Cd (50% of Max.)
 Field Edge = 86654.5813 Cd (10% of Max.)
 * Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>-90.0</u>	<u>-85.0</u>	<u>-75.0</u>	<u>-65.0</u>	<u>-55.0</u>	<u>-47.5</u>	<u>-42.5</u>	<u>-37.5</u>	<u>-33.0</u>	<u>-29.0</u>
90.0	9.202	10.101	11.005	9.412	12.114	11.213	11.812	12.515	12.075	11.803
85.0	9.205	10.579	13.702	15.910	18.250	19.626	20.244	21.535	21.912	21.894
75.0	9.212	12.191	20.441	22.473	26.825	29.147	30.521	32.386	35.147	36.083
65.0	9.219	14.733	21.228	27.646	36.039	39.119	43.356	45.753	48.639	49.342
55.0	9.225	16.831	25.446	36.576	41.889	49.366	51.974	56.661	61.930	67.388
47.5	9.229	18.265	26.805	40.180	47.762	56.141	66.178	81.470	86.251	92.085
42.5	9.231	19.135	29.713	41.969	50.419	64.087	82.996	90.031	97.073	106.692
37.5	9.234	20.029	32.567	43.912	55.283	80.442	89.701	99.481	112.645	125.414
33.0	9.235	20.344	33.168	45.594	60.649	84.978	96.586	111.573	129.906	163.978
29.0	9.237	20.677	33.408	46.469	67.159	91.419	101.867	123.894	165.241	221.565
25.5	9.238	20.976	34.399	47.232	76.973	94.893	110.436	141.722	214.968	244.978
22.5	9.239	21.236	35.199	48.865	82.400	98.391	118.560	163.901	229.311	322.371
19.5	9.239	21.494	35.593	49.716	82.855	101.276	124.668	195.586	247.819	420.002
17.0	9.240	21.707	35.794	50.357	83.851	103.828	130.442	217.208	290.141	486.219
15.0	9.240	21.873	35.934	50.795	84.612	106.990	137.988	222.289	329.669	532.278
13.0	9.240	22.035	36.016	51.137	85.405	109.289	146.183	230.378	382.067	575.227
11.0	9.241	22.364	36.051	51.433	86.681	111.242	151.472	235.964	420.565	613.078
9.0	9.241	22.461	36.050	51.662	87.591	113.062	157.078	239.223	453.775	647.623
7.0	9.241	22.558	36.023	51.874	88.147	114.480	162.466	241.688	472.158	679.416
5.0	9.241	22.655	35.927	52.051	88.972	115.917	168.843	248.065	487.890	707.754
3.0	9.241	22.753	35.916	52.284	89.796	117.139	173.438	253.952	498.111	727.103
1.0	9.241	22.851	35.905	52.228	90.132	118.041	176.059	257.314	506.422	739.774
0.0	9.241	22.900	35.900	52.200	90.300	118.350	176.600	257.850	507.500	741.000
-1.0	9.241	22.851	35.905	52.228	90.132	118.041	176.059	257.314	506.422	739.774
-3.0	9.241	22.753	35.916	52.284	89.796	117.139	173.438	253.952	498.111	727.103
-5.0	9.241	22.655	35.927	52.051	88.972	115.917	168.843	248.065	487.890	707.754
-7.0	9.241	22.558	36.023	51.874	88.147	114.480	162.466	241.688	472.158	679.416
-9.0	9.241	22.461	36.050	51.662	87.591	113.062	157.078	239.223	453.775	647.623
-11.0	9.241	22.364	36.051	51.433	86.681	111.242	151.472	235.964	420.565	613.078
-13.0	9.240	22.035	36.016	51.137	85.405	109.289	146.183	230.378	382.067	575.227
-15.0	9.240	21.873	35.934	50.795	84.612	106.990	137.988	222.289	329.669	532.278
-17.0	9.240	21.707	35.794	50.357	83.851	103.828	130.442	217.208	290.141	486.219
-19.5	9.239	21.494	35.593	49.716	82.855	101.276	124.668	195.586	247.819	420.002
-22.5	9.239	21.236	35.199	48.865	82.400	98.391	118.560	163.901	229.311	322.371
-25.5	9.238	20.976	34.399	47.232	76.973	94.893	110.436	141.722	214.968	244.978
-29.0	9.237	20.677	33.408	46.469	67.159	91.419	101.867	123.894	165.241	221.565
-33.0	9.235	20.344	33.168	45.594	60.649	84.978	96.586	111.573	129.906	163.978
-37.5	9.234	20.029	32.567	43.912	55.283	80.442	89.701	99.481	112.645	125.414
-42.5	9.231	19.135	29.713	41.969	50.419	64.087	82.996	90.031	97.073	106.692
-47.5	9.229	18.265	26.805	40.180	47.762	56.141	66.178	81.470	86.251	92.085
-55.0	9.225	16.831	25.446	36.576	41.889	49.366	51.974	56.661	61.930	67.388
-65.0	9.219	14.733	21.228	27.646	36.039	39.119	43.356	45.753	48.639	49.342
-75.0	9.212	12.191	20.441	22.473	26.825	29.147	30.521	32.386	35.147	36.083
-85.0	9.205	10.579	13.702	15.910	18.250	19.626	20.244	21.535	21.912	21.894
-90.0	9.202	10.101	11.005	9.412	12.114	11.213	11.812	12.515	12.075	11.803

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>-25.5</u>	<u>-22.5</u>	<u>-19.5</u>	<u>-17.0</u>	<u>-15.0</u>	<u>-13.0</u>	<u>-11.0</u>	<u>-9.0</u>	<u>-7.0</u>	<u>-5.0</u>
90.0	12.164	11.626	11.085	11.327	11.520	11.640	11.760	12.018	12.416	12.813
85.0	22.412	23.017	23.348	23.309	23.310	23.330	23.362	23.725	24.608	25.500
75.0	36.759	37.319	37.629	38.556	38.849	39.013	39.174	39.362	39.761	40.465
65.0	49.710	50.735	52.322	53.119	53.319	53.345	53.715	54.241	54.418	54.451
55.0	74.970	78.648	81.260	82.982	83.737	85.204	86.095	87.251	87.945	87.931
47.5	96.524	100.209	103.713	106.995	109.023	110.289	111.536	112.932	113.635	114.385
42.5	115.297	120.824	127.401	134.312	139.540	145.283	149.365	153.796	157.223	163.505
37.5	143.526	164.688	187.405	203.911	214.915	222.701	229.211	235.354	240.972	248.802
33.0	213.195	231.900	252.830	293.832	336.300	379.813	416.968	454.464	476.689	497.787
29.0	245.171	325.045	420.464	487.148	534.791	577.457	613.873	648.496	683.040	714.501
25.5	359.042	469.998	562.864	637.380	706.154	795.376	910.816	1071.547	1458.626	1815.205
22.5	472.679	579.393	694.158	846.108	1129.772	1952.312	3567.053	5895.207	8201.411	10152.888
19.5	564.688	694.704	953.863	2195.803	4985.526	8889.931	12539.997	15136.620	16761.882	17733.950
17.0	636.048	844.524	2177.131	6700.155	11638.532	15361.269	17559.139	19111.814	20563.002	21893.433
15.0	703.781	1111.563	4910.843	11630.444	16136.144	18205.428	20168.091	222414.932	224759.581	27014.509
13.0	787.428	1874.193	8737.715	15344.355	18230.994	20581.250	23443.199	27054.379	31133.476	35332.386
11.0	895.073	3401.499	12376.562	17534.651	20144.460	23453.256	27914.159	33793.986	41071.760	49788.411
9.0	1026.990	5642.418	15020.109	19063.254	22354.216	26936.890	33676.971	43492.899	56843.102	72479.286
7.0	1314.777	7839.157	16651.260	20497.914	24711.872	31019.704	40964.559	56847.546	79185.037	110618.742 *
5.0	1575.875	9703.961	17610.401	21796.824	26918.774	33514.330	44977.743	72328.287	110285.658	174944.539 *
3.0	2015.725	10816.943	18237.531	22842.481	28806.490	38924.070	56839.275	87383.980	146471.082	256345.380 *
1.0	2246.328	11431.142	18558.949	23401.307	29847.706	41085.854	61348.940	97346.997	174063.782	31656.905 *
0.0	2281.500	11530.200	18618.651	23388.500	29840.699	41061.301	61140.801	97534.703	174900.000	31400.000 *
-1.0	2246.328	11431.142	18558.949	23401.307	29847.706	41085.854	61348.940	97346.997	174063.782	31656.905 *
-3.0	2015.725	10816.943	18237.531	22842.481	28806.490	38924.070	56839.275	87383.980	146471.082	256345.381 *
-5.0	1575.875	9703.961	17610.401	21796.824	26918.774	33514.330	44977.743	72328.287	110285.658	174944.539 *
-7.0	1314.777	7839.157	16651.260	20497.914	24711.872	31019.704	40964.559	56847.546	79185.037	110618.742 *
-9.0	1026.990	5642.418	15020.109	19063.254	22354.216	26936.890	33676.971	43492.899	56843.102	72479.286
-11.0	895.073	3401.499	12376.562	17534.651	20144.460	23453.256	27914.159	33793.986	41071.760	49788.411
-13.0	787.428	1874.193	8737.715	15344.355	18230.994	20581.250	23443.199	27054.379	31133.476	35332.386
-15.0	703.781	1111.563	4910.843	11630.444	16136.144	18205.428	20168.091	222414.932	224759.581	27014.509
-17.0	636.048	844.524	2177.131	6700.155	11638.532	15361.269	17559.139	19111.814	20563.002	21893.433
-19.5	564.688	694.704	953.863	2195.803	4985.526	8889.931	12539.997	15136.620	16761.882	17733.950
-22.5	472.679	579.393	694.158	846.108	1129.772	1952.312	3567.053	5895.207	8201.411	10152.888
-25.5	359.042	469.998	562.864	637.380	706.154	795.376	910.816	1071.547	1458.626	1815.205
-29.0	245.171	325.045	420.464	487.148	534.791	577.457	613.873	648.496	683.040	714.501
-33.0	213.195	231.900	252.830	293.832	336.300	379.813	416.968	454.464	476.689	497.787
-37.5	143.526	164.688	187.405	203.911	214.915	222.701	229.211	235.354	240.972	248.802
-42.5	115.297	120.824	127.401	134.312	139.540	145.283	149.365	153.796	157.223	163.505
-47.5	96.524	100.209	103.713	106.995	109.023	110.289	111.536	112.932	113.635	114.385
-55.0	74.970	78.648	81.260	82.982	83.737	85.204	86.095	87.251	87.945	87.931
-65.0	49.710	50.735	52.322	53.119	53.319	53.345	53.715	54.241	54.418	54.451
-75.0	36.759	37.319	37.629	38.556	38.849	39.013	39.174	39.362	39.761	40.465
-85.0	22.412	23.017	23.348	23.309	23.310	23.330	23.362	23.725	24.608	25.500
-90.0	12.164	11.626	11.085	11.327	11.520	11.640	11.760	12.018	12.416	12.813

Vert. Angles	Horizontal Angles									
	<u>-3.0</u>	<u>-1.0</u>	<u>0.0</u>	<u>1.0</u>	<u>3.0</u>	<u>5.0</u>	<u>7.0</u>	<u>9.0</u>	<u>11.0</u>	<u>13.0</u>
90.0	12.575	12.338	12.219	12.338	12.575	12.813	12.416	12.018	11.760	11.640
85.0	24.625	23.742	23.300	23.742	24.625	25.500	24.608	23.725	23.362	23.330
75.0	39.439	38.280	37.700	38.280	39.439	40.465	39.761	39.362	39.174	39.013
65.0	54.634	54.678	54.700	54.678	54.634	54.451	54.418	54.241	53.715	53.345

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CANDELA TABULATION - (Cont.)

55.0	88.763	89.787	90.300	89.787	88.763	87.931	87.945	87.251	86.095	85.204
47.5	115.504	116.670	117.050	116.670	115.504	114.385	113.635	112.932	111.536	110.289
42.5	168.145	169.092	168.850	169.092	168.145	163.505	157.223	153.796	149.365	145.283
37.5	255.319	258.489	258.950	258.489	255.319	248.802	240.972	235.354	229.211	222.701
33.0	512.736	518.887	518.300	518.887	512.736	497.787	476.689	454.464	416.968	379.813
29.0	734.958	746.211	746.500	746.211	734.958	714.501	683.040	648.495	613.873	577.457
25.5	2325.856	2570.829	2591.700	2570.829	2325.856	1815.205	1458.626	1071.547	910.816	795.376
22.5	11275.172	11842.928	11894.600	11842.928	11275.172	10152.888	88201.411	5895.207	3567.053	1952.312
19.5	18360.326	18649.672	18686.550	18649.672	18360.326	17733.950	16761.882	15136.620	12539.997	8889.931
17.0	22893.234	23491.604	23510.600	23491.604	22893.234	21893.433	20563.002	19111.814	17559.139	15361.269
15.0	28844.649	29946.092	29953.500	29946.092	28844.649	27014.509	24759.581	22414.932	20168.091	18205.428
13.0	39051.998	41229.033	41348.301	41229.033	39051.998	35332.386	31133.476	27054.379	23443.199	20581.250
11.0	56960.098	61628.468	61763.699	61628.468	56960.098	49788.411	414071.760	33793.986	27914.159	23453.256
9.0	88240.586	98567.834	98481.500	98567.834	88240.586	72479.286	65843.102	43492.899	3676.971	26936.890
7.0	146784.799	174266.418	174600.000	174266.418	146784.799	10618.742	9185.037	756847.546	40964.559	31019.703
5.0	256555.918	32909.998	31550.008	32909.998	256555.917	74944.539	10285.657	2328.287	49770.743	35144.330
3.0	428596.522	96337.226	22350.006	96337.226	428596.522	28596.522	56345.379	46471.088	7383.980	56839.275
1.0	597846.768	20415.878	52700.008	20415.878	597846.763	31656.902	74063.789	7346.997	61348.940	41085.854
0.0	626100.008	52450.008	66545.818	52450.006	626100.008	31400.007	4900.009	7534.703	61140.801	41061.301
-1.0	597846.768	20415.878	52700.008	20415.878	597846.763	31656.902	74063.789	7346.997	61348.940	41085.854
-3.0	428596.522	96337.226	22350.006	96337.226	428596.522	28596.522	56345.379	46471.088	7383.980	56839.275
-5.0	256555.918	32909.998	31550.008	32909.998	256555.917	74944.539	10285.657	2328.287	49770.743	35144.330
-7.0	146784.799	174266.418	174600.000	174266.418	146784.799	10618.742	9185.037	756847.546	40964.559	31019.703
-9.0	88240.586	98567.834	98481.500	98567.834	88240.586	72479.286	65843.102	43492.899	3676.971	26936.890
-11.0	56960.098	61628.468	61763.699	61628.468	56960.098	49788.411	414071.760	33793.986	27914.159	23453.256
-13.0	39051.998	41229.033	41348.301	41229.033	39051.998	35332.386	31133.476	27054.379	23443.199	20581.250
-15.0	28844.649	29946.092	29953.500	29946.092	28844.649	27014.509	24759.581	22414.932	20168.091	18205.428
-17.0	22893.234	23491.604	23510.600	23491.604	22893.234	21893.433	20563.002	19111.814	17559.139	15361.269
-19.5	18360.326	18649.672	18686.550	18649.672	18360.326	17733.950	16761.882	15136.620	12539.997	8889.931
-22.5	11275.172	11842.928	11894.600	11842.928	11275.172	10152.888	88201.411	5895.207	3567.053	1952.312
-25.5	2325.856	2570.829	2591.700	2570.829	2325.856	1815.205	1458.626	1071.547	910.816	795.376
-29.0	734.958	746.211	746.500	746.211	734.958	714.501	683.040	648.495	613.873	577.457
-33.0	512.736	518.887	518.300	518.887	512.736	497.787	476.689	454.464	416.968	379.813
-37.5	255.319	258.489	258.950	258.489	255.319	248.802	240.972	235.354	229.211	222.701
-42.5	168.145	169.092	168.850	169.092	168.145	163.505	157.223	153.796	149.365	145.283
-47.5	115.504	116.670	117.050	116.670	115.504	114.385	113.635	112.932	111.536	110.289
-55.0	88.763	89.787	90.300	89.787	88.763	87.931	87.945	87.251	86.095	85.204
-65.0	54.634	54.678	54.700	54.678	54.634	54.451	54.418	54.241	53.715	53.345
-75.0	39.439	38.280	37.700	38.280	39.439	40.465	39.761	39.362	39.174	39.013
-85.0	24.625	23.742	23.300	23.742	24.625	25.500	24.608	23.725	23.362	23.330
-90.0	12.575	12.338	12.219	12.338	12.575	12.813	12.416	12.018	11.760	11.640

Vert. Horizontal Angles

	<u>15.0</u>	<u>17.0</u>	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29.0</u>	<u>33.0</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>
90.0	11.520	11.327	11.085	11.626	12.164	11.803	12.075	12.515	11.812	11.213
85.0	23.310	23.309	23.348	23.017	22.412	21.894	21.912	21.535	20.244	19.626
75.0	38.849	38.556	37.629	37.319	36.759	36.083	35.147	32.386	30.521	29.147
65.0	53.319	53.119	52.322	50.735	49.710	49.342	48.639	45.753	43.356	39.119
55.0	83.737	82.982	81.260	78.648	74.970	67.388	61.930	56.661	51.974	49.366
47.5	109.023	106.995	103.713	100.209	96.524	92.085	86.251	81.470	66.178	56.141
42.5	139.540	134.312	127.401	120.824	115.297	106.692	97.073	90.031	82.996	64.087
37.5	214.915	203.911	187.405	164.688	143.526	125.414	112.645	99.481	89.701	80.442
33.0	336.300	293.832	252.830	231.900	213.195	163.978	129.906	111.573	96.586	84.978
29.0	534.791	487.148	420.464	325.045	245.171	221.565	165.241	123.894	101.867	91.419
25.5	706.154	637.380	562.864	469.998	359.042	244.978	214.968	141.722	110.436	94.893

IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL4-40L-50-8-N2-U-Y-GM.IES

CANDELA TABULATION - (Cont.)

22.5	1129.772	846.108	694.158	579.393	472.679	322.371	229.311	163.901	118.560	98.391
19.5	4985.526	2195.803	953.863	694.704	564.688	420.002	247.819	195.586	124.668	101.276
17.0	11638.5326700.155	2177.131	844.524	636.048	486.219	290.141	217.208	130.442	103.828	
15.0	16136.14411630.4444910.843	1111.563	703.781	532.278	329.669	222.289	137.988	106.990		
13.0	18230.99415344.3558737.716	1874.193	787.428	575.227	382.067	230.378	146.183	109.289		
11.0	20144.46017534.65112376.5623401.499	895.073	613.078	420.565	235.964	151.472	111.242			
9.0	22354.21619063.25415020.1095642.418	1026.990	647.623	453.775	239.223	157.078	113.062			
7.0	24711.87220497.91416651.2607839.157	1314.777	679.416	472.158	241.688	162.466	114.480			
5.0	26918.77421796.82417610.4019703.961	1575.875	707.754	487.890	248.065	168.843	115.917			
3.0	28806.49022842.48118237.53110816.9432015.725	727.103	498.111	253.952	173.438	117.139				
1.0	29847.70623401.30718558.94911431.1422246.328	739.774	506.422	257.314	176.059	118.041				
0.0	29840.69923388.50018618.65111530.2002281.500	741.000	507.500	257.850	176.600	118.350				
-1.0	29847.70623401.30718558.94911431.1422246.328	739.774	506.422	257.314	176.059	118.041				
-3.0	28806.49022842.48118237.53110816.9432015.725	727.103	498.111	253.952	173.438	117.139				
-5.0	26918.77421796.82417610.4019703.961	1575.875	707.754	487.890	248.065	168.843	115.917			
-7.0	24711.87220497.91416651.2607839.157	1314.777	679.416	472.158	241.688	162.466	114.480			
-9.0	22354.21619063.25415020.1095642.418	1026.990	647.623	453.775	239.223	157.078	113.062			
-11.0	20144.45917534.65112376.5623401.499	895.073	613.078	420.565	235.964	151.472	111.242			
-13.0	18230.99415344.3558737.715	1874.193	787.428	575.227	382.067	230.378	146.183	109.289		
-15.0	16136.14411630.4444910.843	1111.563	703.781	532.278	329.669	222.289	137.988	106.990		
-17.0	11638.5326700.155	2177.131	844.524	636.048	486.219	290.141	217.208	130.442	103.828	
-19.5	4985.526	2195.803	953.863	694.704	564.688	420.002	247.819	195.586	124.668	101.276
-22.5	1129.772	846.108	694.158	579.393	472.679	322.371	229.311	163.901	118.560	98.391
-25.5	706.154	637.380	562.864	469.998	359.042	244.978	214.968	141.722	110.436	94.893
-29.0	534.791	487.148	420.464	325.045	245.171	221.565	165.241	123.894	101.867	91.419
-33.0	336.300	293.832	252.830	231.900	213.195	163.978	129.906	111.573	96.586	84.978
-37.5	214.915	203.911	187.405	164.688	143.526	125.414	112.645	99.481	89.701	80.442
-42.5	139.540	134.312	127.401	120.824	115.297	106.692	97.073	90.031	82.996	64.087
-47.5	109.023	106.995	103.713	100.209	96.524	92.085	86.251	81.470	66.178	56.141
-55.0	83.737	82.982	81.260	78.648	74.970	67.388	61.930	56.661	51.974	49.366
-65.0	53.319	53.119	52.322	50.735	49.710	49.342	48.639	45.753	43.356	39.119
-75.0	38.849	38.556	37.629	37.319	36.759	36.083	35.147	32.386	30.521	29.147
-85.0	23.310	23.309	23.348	23.017	22.412	21.894	21.912	21.535	20.244	19.626
-90.0	11.520	11.327	11.085	11.626	12.164	11.803	12.075	12.515	11.812	11.213

Vert. Angles **Horizontal Angles**

	55.0	65.0	75.0	85.0	90.0
90.0	12.114	9.412	11.005	10.101	9.202
85.0	18.250	15.910	13.702	10.579	9.205
75.0	26.825	22.473	20.441	12.191	9.212
65.0	36.039	27.646	21.228	14.733	9.219
55.0	41.889	36.576	25.446	16.831	9.225
47.5	47.762	40.180	26.805	18.265	9.229
42.5	50.419	41.969	29.713	19.135	9.231
37.5	55.283	43.912	32.567	20.029	9.234
33.0	60.649	45.594	33.168	20.344	9.235
29.0	67.159	46.469	33.408	20.677	9.237
25.5	76.973	47.232	34.399	20.976	9.238
22.5	82.400	48.865	35.199	21.236	9.239
19.5	82.855	49.716	35.593	21.494	9.239
17.0	83.851	50.357	35.794	21.707	9.240
15.0	84.612	50.795	35.934	21.873	9.240
13.0	85.405	51.137	36.016	22.035	9.240
11.0	86.681	51.433	36.051	22.364	9.241
9.0	87.591	51.662	36.050	22.461	9.241

IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL4-40L-50-8-N2-U-Y-GM.IES

CANDELA TABULATION - (Cont.)

7.0	88.147	51.874	36.023	22.558	9.241
5.0	88.972	52.051	35.927	22.655	9.241
3.0	89.796	52.284	35.916	22.753	9.241
1.0	90.132	52.228	35.905	22.851	9.241
0.0	90.300	52.200	35.900	22.900	9.241
-1.0	90.132	52.228	35.905	22.851	9.241
-3.0	89.796	52.284	35.916	22.753	9.241
-5.0	88.972	52.051	35.927	22.655	9.241
-7.0	88.147	51.874	36.023	22.558	9.241
-9.0	87.591	51.662	36.050	22.461	9.241
-11.0	86.681	51.433	36.051	22.364	9.241
-13.0	85.405	51.137	36.016	22.035	9.240
-15.0	84.612	50.795	35.934	21.873	9.240
-17.0	83.851	50.357	35.794	21.707	9.240
-19.5	82.855	49.716	35.593	21.494	9.239
-22.5	82.400	48.865	35.199	21.236	9.239
-25.5	76.973	47.232	34.399	20.976	9.238
-29.0	67.159	46.469	33.408	20.677	9.237
-33.0	60.649	45.594	33.168	20.344	9.235
-37.5	55.283	43.912	32.567	20.029	9.234
-42.5	50.419	41.969	29.713	19.135	9.231
-47.5	47.762	40.180	26.805	18.265	9.229
-55.0	41.889	36.576	25.446	16.831	9.225
-65.0	36.039	27.646	21.228	14.733	9.219
-75.0	26.825	22.473	20.441	12.191	9.212
-85.0	18.250	15.910	13.702	10.579	9.205
-90.0	12.114	9.412	11.005	10.101	9.202

IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL4-40L-50-8-N2-U-Y-GM.IES

LUMEN TABULATION

Average Of Right And Left Sides
 Total Luminaire Lumens (one side of beam only) = 18645.97
 Total Field Lumens (one side of beam only) = 11849.39
 * Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>1</u>	<u>3</u>	<u>5</u>	<u>7</u>	<u>9</u>	<u>11</u>	<u>13</u>	<u>15</u>	<u>17</u>
90										
85	0.03	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.06
75	0.09	0.19	0.20	0.20	0.19	0.19	0.19	0.18	0.18	0.22
65	0.14	0.28	0.29	0.29	0.28	0.28	0.28	0.27	0.27	0.33
55	0.22	0.44	0.43	0.43	0.43	0.42	0.41	0.41	0.40	0.49
47.5	0.24	0.47	0.46	0.46	0.45	0.45	0.44	0.43	0.42	0.51
42.5	0.22	0.43	0.43	0.42	0.41	0.40	0.38	0.37	0.36	0.43
37.5	0.33	0.65	0.63	0.61	0.59	0.58	0.56	0.53	0.51	0.59
33	0.53	1.06	1.04	1.00	0.96	0.90	0.84	0.77	0.69	0.76
29	0.77	1.53	1.49	1.44	1.37	1.28	1.18	1.08	0.97	1.05
25.5	1.77	3.40	2.97	2.48	2.04	1.70	1.51	1.35	1.21	1.33
22.5	6.60	12.79	11.65	9.83	7.52	5.15	3.23	2.03	1.46	1.49
19.5	13.95	27.46	26.22	24.02	20.81	16.71	12.04	7.52	4.02	2.54
17	16.06	31.73	30.72	29.14	26.99	24.13	20.24	15.10	9.34	5.44
15	16.28	32.02	30.58	28.55	26.20	23.77	21.24	18.13	13.50	9.19
13	21.70	42.34	39.58	35.82	31.78	27.92	24.55	21.62	17.96	14.69
11	31.37	60.54	55.04	47.66	40.13	33.66	28.42	24.36	20.86	19.52
9	48.80	92.97	81.27	66.70	52.85	41.66	33.36	27.45	23.16	23.14
7	83.14 *	154.60 *	127.05 *	96.67	71.30	52.49	39.51	31.04	25.36	25.76
5	154.33 *	277.18 *	209.33 *	143.90 *	96.12	65.97	46.75	34.81	27.50	27.68
3	286.81 *	491.45 *	339.24 *	208.43 *	125.62 *	79.89	53.83	38.36	29.39	29.10
1	440.42 *	743.75 *	490.57 *	275.23 *	152.41 *	90.87	59.05	40.98	30.71	30.03
0	258.31 *	440.92 *	286.69 *	153.29 *	82.02 *	47.60	30.49	20.96	15.59	15.18
-1	258.31 *	440.92 *	286.69 *	153.29 *	82.02 *	47.60	30.49	20.96	15.59	15.18
-3	440.42 *	743.75 *	490.57 *	275.23 *	152.41 *	90.87	59.05	40.98	30.71	30.03
	286.81 *	491.45 *	339.24 *	208.43 *	125.62 *	79.89	53.83	38.36	29.39	29.10

IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL4-40L-50-8-N2-U-Y-GM.IES

LUMENS TABULATION - (Cont.)

-5	154.33 *	277.18 *	209.33 *	143.90 *	96.12	65.97	46.75	34.81	27.50	27.68
-7	83.14 *	154.60 *	127.05 *	96.67	71.30	52.49	39.51	31.04	25.36	25.76
-9	48.80	92.97	81.27	66.70	52.85	41.66	33.36	27.45	23.16	23.14
-11	31.37	60.54	55.04	47.66	40.13	33.66	28.42	24.36	20.86	19.52
-13	21.70	42.34	39.58	35.82	31.78	27.92	24.55	21.62	17.96	14.69
-15	16.28	32.02	30.58	28.55	26.20	23.77	21.24	18.13	13.50	9.19
-17	16.06	31.73	30.72	29.14	26.99	24.13	20.24	15.10	9.34	5.44
-19.5	13.95	27.46	26.22	24.02	20.81	16.71	12.04	7.52	4.02	2.54
-22.5	6.60	12.79	11.65	9.83	7.52	5.15	3.23	2.03	1.46	1.49
-25.5	1.77	3.40	2.97	2.48	2.04	1.70	1.51	1.35	1.21	1.33
-29	0.77	1.53	1.49	1.44	1.37	1.28	1.18	1.08	0.97	1.05
-33	0.53	1.06	1.04	1.00	0.96	0.90	0.84	0.77	0.69	0.76
-37.5	0.33	0.65	0.63	0.61	0.59	0.58	0.56	0.53	0.51	0.59
-42.5	0.22	0.43	0.43	0.42	0.41	0.40	0.38	0.37	0.36	0.43
-47.5	0.24	0.47	0.46	0.46	0.45	0.45	0.44	0.43	0.42	0.51
-55	0.22	0.44	0.43	0.43	0.43	0.42	0.41	0.41	0.40	0.49
-65	0.14	0.28	0.29	0.29	0.28	0.28	0.28	0.27	0.27	0.33
-75	0.09	0.19	0.20	0.20	0.19	0.19	0.19	0.18	0.18	0.22
-85	0.03	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.06
-90										
Total	2764.24	4832.49	3471.9	2253.2	1481.03	1032.14	757.12	575.64	447.84	419.07

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.07	0.07	0.08	0.09	0.10	0.10	0.08	0.11	0.11	0.07
85	0.26	0.25	0.28	0.30	0.31	0.31	0.27	0.34	0.32	0.19
75	0.38	0.36	0.41	0.44	0.45	0.44	0.38	0.47	0.43	0.24
65	0.56	0.53	0.57	0.59	0.60	0.58	0.49	0.59	0.54	0.29
55	0.58	0.55	0.59	0.60	0.60	0.56	0.45	0.52	0.47	0.25
47.5	0.48	0.45	0.49	0.50	0.50	0.47	0.36	0.39	0.34	0.18

IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL4-40L-50-8-N2-U-Y-GM.IES

LUMENS TABULATION - (Cont.)

42.5										
	0.64	0.57	0.58	0.58	0.56	0.53	0.43	0.45	0.36	0.19
37.5										
	0.80	0.71	0.69	0.62	0.57	0.52	0.43	0.45	0.35	0.18
33										
	1.05	0.85	0.80	0.71	0.59	0.51	0.40	0.43	0.33	0.17
29										
	1.33	1.02	0.89	0.77	0.63	0.49	0.38	0.41	0.32	0.15
25.5										
	1.48	1.18	0.99	0.79	0.63	0.47	0.34	0.38	0.29	0.13
22.5										
	1.87	1.45	1.26	0.96	0.70	0.53	0.36	0.39	0.30	0.13
19.5										
	2.49	1.43	1.25	0.94	0.67	0.49	0.31	0.33	0.25	0.11
17										
	3.86	1.38	1.12	0.86	0.59	0.41	0.26	0.27	0.21	0.09
15										
	7.10	1.87	1.23	0.95	0.65	0.43	0.27	0.28	0.21	0.09
13										
	11.26	2.90	1.36	1.04	0.71	0.45	0.28	0.28	0.21	0.09
11										
	15.54	4.58	1.51	1.11	0.76	0.46	0.29	0.28	0.21	0.09
9										
	19.26	6.60	1.74	1.18	0.79	0.47	0.29	0.29	0.21	0.09
7										
	22.10	8.53	2.03	1.23	0.81	0.48	0.30	0.29	0.21	0.09
5										
	24.04	10.06	2.38	1.26	0.83	0.49	0.31	0.29	0.22	0.09
3										
	25.18	11.06	2.71	1.29	0.85	0.50	0.31	0.30	0.22	0.09
1										
	12.83	5.74	1.42	0.65	0.43	0.25	0.16	0.15	0.11	0.05
0										
	12.83	5.74	1.42	0.65	0.43	0.25	0.16	0.15	0.11	0.05
-1										
	25.18	11.06	2.71	1.29	0.85	0.50	0.31	0.30	0.22	0.09
-3										
	24.04	10.06	2.38	1.26	0.83	0.49	0.31	0.29	0.22	0.09
-5										
	22.10	8.53	2.03	1.23	0.81	0.48	0.30	0.29	0.21	0.09
-7										
	19.26	6.60	1.74	1.18	0.79	0.47	0.29	0.29	0.21	0.09
-9										
	15.54	4.58	1.51	1.11	0.76	0.46	0.29	0.28	0.21	0.09
-11										
	11.26	2.90	1.36	1.04	0.71	0.45	0.28	0.28	0.21	0.09
-13										
	7.10	1.87	1.23	0.95	0.65	0.43	0.27	0.28	0.21	0.09
-15										
	3.86	1.38	1.12	0.86	0.59	0.41	0.26	0.27	0.21	0.09
-17										
	2.49	1.43	1.25	0.94	0.67	0.49	0.31	0.33	0.25	0.11
-19.5										
	1.87	1.45	1.26	0.96	0.70	0.53	0.36	0.39	0.30	0.13
-22.5										
	1.48	1.18	0.99	0.79	0.63	0.47	0.34	0.38	0.29	0.13

IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL4-40L-50-8-N2-U-Y-GM.IES

LUMENS TABULATION - (Cont.)

-25.5	1.33	1.02	0.89	0.77	0.63	0.49	0.38	0.41	0.32	0.15
-29	1.05	0.85	0.80	0.71	0.59	0.51	0.40	0.43	0.33	0.17
-33	0.80	0.71	0.69	0.62	0.57	0.52	0.43	0.45	0.35	0.18
-37.5	0.64	0.57	0.58	0.58	0.56	0.53	0.43	0.45	0.36	0.19
-42.5	0.48	0.45	0.49	0.50	0.50	0.47	0.36	0.39	0.34	0.18
-47.5	0.58	0.55	0.59	0.60	0.60	0.56	0.45	0.52	0.47	0.25
-55	0.56	0.53	0.57	0.59	0.60	0.58	0.49	0.59	0.54	0.29
-65	0.38	0.36	0.41	0.44	0.45	0.44	0.38	0.47	0.43	0.24
-75	0.26	0.25	0.28	0.30	0.31	0.31	0.27	0.34	0.32	0.19
-85	0.07	0.07	0.08	0.09	0.10	0.10	0.08	0.11	0.11	0.07
-90										
Total	306.30	124.28	48.76	34.94	26.64	19.83	14.31	15.40	12.44	6.09

Vert. Angles	Horizontal Angles			Total
	75	85	90	
90	0.03	0.00		1.43
85	0.08	0.01		4.73
75	0.09	0.01		6.82
65	0.10	0.01		9.54
55	0.09	0.01		9.60
47.5	0.06	0.00		8.06
42.5	0.07	0.00		10.53
37.5	0.06	0.00		13.94
33	0.06	0.00		18.07
29	0.05	0.00		26.21
25.5	0.04	0.00		68.48
22.5	0.04	0.00		163.29
19.5	0.04	0.00		217.19
17	0.03	0.00		228.53
15	0.03	0.00		291.06

IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL4-40L-50-8-N2-U-Y-GM.IES

LUMENS TABULATION - (Cont.)

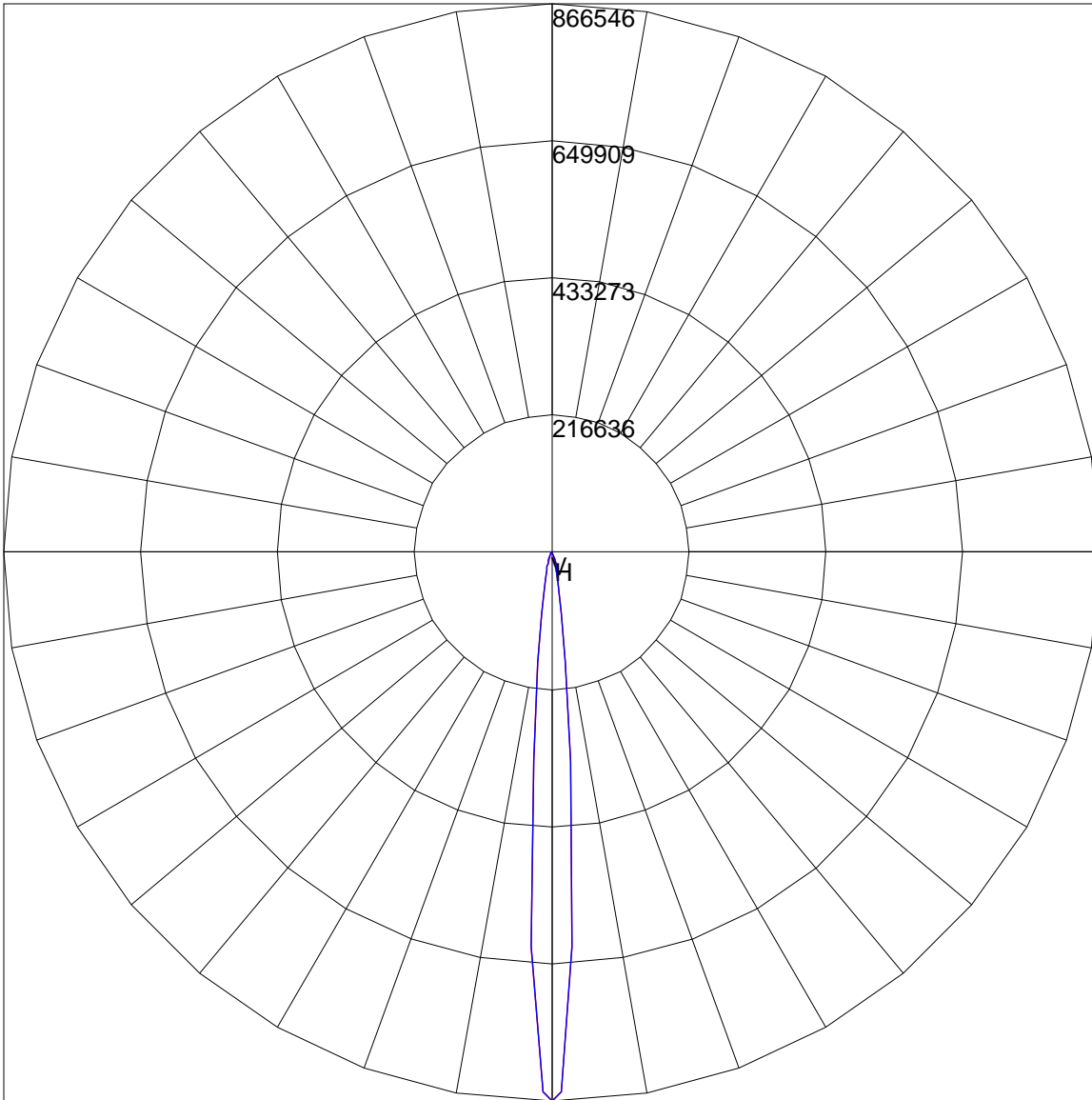
13			
	0.03	0.00	380.17
11			
	0.03	0.00	516.23
9			
	0.03	0.00	737.88
7			
	0.03	0.00	1119.67
5			
	0.03	0.00	1722.15
3			
	0.03	0.00	2396.57
1			
	0.02	0.00	1372.84
0			
	0.02	0.00	1372.84
-1			
	0.03	0.00	2396.57
-3			
	0.03	0.00	1722.15
-5			
	0.03	0.00	1119.67
-7			
	0.03	0.00	737.88
-9			
	0.03	0.00	516.23
-11			
	0.03	0.00	380.17
-13			
	0.03	0.00	291.06
-15			
	0.03	0.00	228.53
-17			
	0.04	0.00	217.19
-19.5			
	0.04	0.00	163.29
-22.5			
	0.04	0.00	68.48
-25.5			
	0.05	0.00	26.21
-29			
	0.06	0.00	18.07
-33			
	0.06	0.00	13.94
-37.5			
	0.07	0.00	10.53
-42.5			
	0.06	0.00	8.06
-47.5			
	0.09	0.01	9.60
-55			
	0.10	0.01	9.54
-65			
	0.09	0.01	6.82
-75			
	0.08	0.01	4.73

IES FLOOD REPORT
PHOTOMETRIC FILENAME : FL4-40L-50-8-N2-U-Y-GM.IES

LUMENS TABULATION - (Cont.)

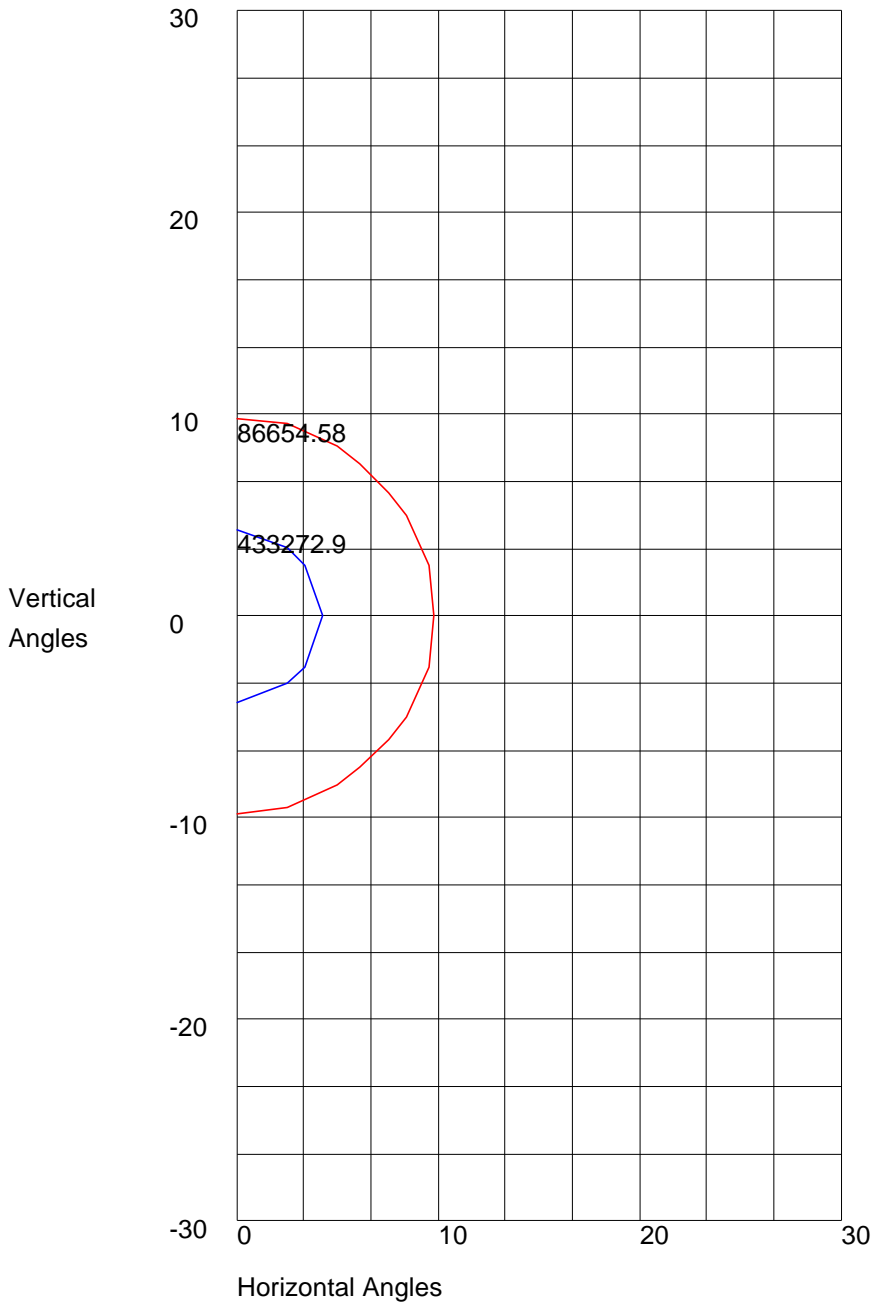
-85	0.03	0.00	1.43
-90			
Total	2.15	0.16	18645.97

AXIAL CANDELA DISPLAY



Maximum Candela = 866545.813 Located At Horizontal Angle = 0, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 866545.813 Located At Horizontal Angle = 0, Vertical Angle = 0
50% Maximum Candela = 433272.9065
10% Maximum Candela = 86654.5813